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U. S. DEPARTMENT OF AGRICULTURE

HERBARIUM

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U. S. DEPARTMENT OF AGRICULTURE

1963

VIOLETS

NATIVE ORCHIDS

DWARF IRIS

PRIMULAS

PERENNIALS

SOMETHING DIFFERENT FOR YOUR ROCK GARDEN

Are you, like most folk, looking for something different, something new, something that your neighbor does not have?

Here are a number of perennials that are not only different but will add beauty as well as new variety to any rock or alpine garden. Some of these plants are new to our catalog, some are new to any catalog, some are rare, all are uncommon and all have been tried and proven of value, all are hardy.

CALAPOGON PULCHELLAS—Morris calls this the most beautiful flower in all nature. It is an orchid that, tho it likes bog conditions will thrive anywhere. See page 9.

CYPRIPEDIUM MONTANUM—a dainty, pure white ladies slipper from Oregon, does well in the east. See page 9.

CYPRIPEDIUM ARIETINUM—Rams head orchid—one of the rarest orchids we have but not too difficult if properly cared for and very much worth while. See page 9.

HELONIAS BULLATTA, Cinnamon lily—the lily that just missed being an orchid, very beautiful and very rare. See page 5.

HEATHERS, something distinctly out of the ordinary for the Rock garden. See page 5.

HABENARIA BLEPHARIGLOTTIS, White plumed orchid—the whitest white in nature and an easy and very satisfactory orchid to grow. See page 10.

HABENARIA CILIARIS, Golden plume — like the white plume but of a deep, flaming orange color. Blooms in August when color is most appreciated, very hardy anywhere. See page 10.

IRIS GRACILIPES—a dwarf from Japan, the most lovely of all dwarf iris and extremely hardy and floriferous. See page 7.

IRIS, dwarf—a special array of new and unusual ones on page 6.

LEWISIAS—are acknowledged to be the finest rock garden or alpine plant in the world, beautiful of flower and foliage, unusual in every way and hardy anywhere. See page 8.

ORCHIS SPECTABILIS, Kirtle Pink—should be in every spring garden, their beautiful white and purple flowers come very early and they hold their foliage nearly all summer. See page 10.

TRILLIUM RIVALE and **TRILLIUM NIVALE**—two exquisite little dwarfs from the Olympic mountains, the first flowers in the spring. See page 13.

V. PAPILIONACEA AZUREA—an entirely New color in native violets, makes fine masses or borders. See page 15.

RANUNCULUS REPENS—the original double buttercup, a fine ground cover with dark green, shiny foliage all summer, very floriferous. See page 12.

HEPATICA TRILOBA—an old native friend that brings beautiful color to your rock garden almost before the snow has gone and holds its splendid foliage all summer. See page 5.

HYPOXIS HIRSUTA, Star Grass—another useful native with bright yellow flowers all summer. See page 6.

VIOLETS are good for every purpose. See page 14.

A Choice Wild Flower Garden

That will become the most loved spot in your plot

ADIANTUM, Maiden Hair Fern.

ASPIDIUM, Christmas Fern.

V. PEDATA.

V. CUCULATA.

V. SEPTEMTRIONALIS (Confederate Violet)

V. PUBESCENS.

PAINTED TRILLIUM.

ARISAEMA, Jack in Pulpit.

SEDUM ALBUM.

HEPATICA TRILOBA.

CYPRIPEDIUM ACAULE (Moccasin Flower)

HYPOXIS HIRSUTA, Star Grass.

FLAG, Iris Versicolor.

AQUILEGIA, Columbine.

LUPINUS PEREMIS.

GERANIUM, Robertiella.

One of each, 16 plants \$1.75

Any ten, one each 1.25

Any ten, two each 2.00

Labeled. Carriage paid.



A Collection of Iris for Beginners

Start With The Best

AFTERGLOW, Colors of Sunset.

ANNA FARR, White Placata.

CHERUBIM, Pink.

MADAME De SEVIGNE, Lilac.

NINE WELLS, Violet.

OPERA, Purple.

SHERWIN WRIGHT, Yellow.

WHITE QUEEN, Pure White.

These give you a wide color range and are all good.

Generous, flowering size rizomes.

The collection (8) for\$1.00

Labeled. Carriage paid.

(Two)

PERENNIALS

For the Alpine Garden

1 -	ACHILLEA , Millfoil - Tomentosa .....	.25
2 -	AETHIONEMA — Candytuft - Grandiflorum , Bushy, glaucous foliage, rosy blossoms .....	.35
3 -	Iberideum , a new dwarf white, fine for walls .....	.50
552 -	Coridifolium , a prostrate mass of pretty bluish foliage covered with fascinating pink blossoms .....	.50
521 -	AJUGA — Bugle plant - Genevensis , short spikes of intense blue flowers, a good rock plant .....	.25
4 -	ALYSSUM — Madwort - Argenteum , bright yellow flowers, silver leaves, blooms all summer .....	.25
5 -	Saxatile Compactum , a solid bank of pure yellow flowers in spring .....	.25
6 -	Wolfianum , gray leaves with yellow flowers .....	.25
554 -	ANCHUSA , Myosotidiflora , an exquisite rock plant with heart shaped basal leaves and blue for-get-me-not like flowers .....	.50
7 -	ANDROSACE - Rock Jasmine - Primuloides , Pink-lilac .....	.50
8 -	Lanuginosa , a rare Himalayan, trailing habit with silky leaves, rose-pink flowers with yellow eyes .....	.50
9 -	Lanuginosa Leichtlini , a white flowered variety of above .....	.50
555 -	Chumbyii , one of the finest of rock plants, flat rosettes of primrose like pink blossoms .....	.50
10 -	ANEMONE — Windflower - Pulsitilla (Pasque Flower) large bluish purple flowers filled with golden anthers .....	.25
11 -	Pulsitilla Alba —white variety of above....	.25
556 -	Hupehensis , 1½" mauve-rose flowers on 12" stems .....	.30
12 -	AQUILEGIA , Columbine , Alpina , dwarf blue and white, fine foliage .....	.25
557 -	Hensol Harebell , new, vivid violet blue ....	.75
21 -	Pyrenaica , deep violet, very dwarf .....	.60
16 -	ARABIS , Rockcress - Alpina , one of the best, fine for wall .....	.25
17 -	Alpina Florepleno , double variety of above .....	.25
18 -	Rosea , like alpina but with pink flowers ....	.25
23 -	Procurens , very dwarf, white flowers .....	.50
26 -	Kellereri , very choice, gray foliage, white flowers .....	.75
19 -	ARENARIA — Sandwort - Caespitosa , a moss like ground cover with innumerable tiny white flowers, fine for walks .....	.25
20 -	Montana , large mats of deep green foliage covered with large white flowers, a splendid wall plant .....	.25
22 -	ARMERIA — Sea Pink - Alpina , tufty growth, rose flowers on long stems .....	.25
24 -	Maritima , larger flowers than Alpina, pink..	.25
25 -	Maritima Alba , white form of above .....	.25
29 -	ASTER — Michaelmas Daisy - Alpinus , dwarf, spring flowering, clear lavender flower, profuse bloomer .....	.25
30 -	Mauve Cushion , dwarf, large mauve flowers in large numbers in October .....	.25
502 -	Subcaerulens , dwarf, lilac blue .....	.25
31 -	AUBRIETIA — False wall cress - Deltoidea , for ground cover or rock wall, violet flowers....	.25
504 -	Eyri , best of all the Aubrietias, rosy pink....	.35
32 -	BELLIUM — Alpine Daisy - Mimutum , foliage one inch high, pink flowers .....	.35

33 -	CALAMINTHA—Alpina , a mat forming plant with aromatic foliage. Light violet flowers	.25
34 -	CAMPANULA—Bellflower - Carpatica , large blue flowers in profusion all summer	.25
35 -	Carpatica Alba , white form of above	.25
36 -	Muralis Portenschlagiana , dwarf, deep violet blue, very floriferous	.35
37 -	Pusilla , pale blue, creeps and blooms all over	.35
38 -	Pusilla Alba , white form of above	.35
39 -	Rotundifolia , the Blue Bells of Scotland , fine for a wall	.25
26 -	Garganica Erinus , pale blue, a lovely rock plant	.75
40 -	CERASTIUM—Tomentosa , silverwhite foliage and fragrant white flowers, splendid for a ground cover or rock wall	.25
558 -	Columnae , new, a white miniature	.25
523 -	CHRYSANTHEMUM — Leucanthemum Florip-lena , an uncommon plant bearing pure white double flowers in June and July	.25
191 -	CORNUS CANADENSIS , Bunch Plum , Native, white Dogwood like flowers on four inch plants	.25
41 -	DELPHINIUM—Larkspur - Chiensis , a lovely dwarf form in various shades of blue	.25
42 -	DIANTHUS—Clove Pinks - Alpinus , a lovely little Alpine with dark glossy leaves and carmine spotted crimson flowers	.25
43 -	Arenarius , a solid mat of gray green foliage covered with fringy fragrant blossoms	.25
44 -	Caesius (Cheddar Pink) , a fine rock plant, fragrant and very prolific	.25
45 -	Deltoides , the old fashioned maiden pink, one of the best	.25
46 -	Neglectus , one of the finest, dwarf, brilliant cherry salmon blossoms	.25
47 -	Gladys Cranfield , orchid pink with wine center, will do well anywhere and bloom from May to November	.35
559 -	Sweet Wivelsfield , resembles a large Sweet William in many shades of pink and red	.35
560 -	Liboschitzianus , lovely white flowers on 18" stems	.25
561 -	DICENTRA—Bleeding Heart - Eximia , dwarf, finely cut leaves, pink flowers	.35
524 -	Spectabilis , the old favorite, heavy roots	.50
193 -	Native, Dutchmans Breeches	.25
562 -	DODECATHEONS—Shooting Star - Hendersonii handsome leaves in early spring with rosy, Cyclamenlike flowers	.50
563 -	DRABA—Whitlow Grass-Repens , little mounds of dense foliage with yellow flowers of wall flower type	.50
50 -	ERINUS—Alpina , pink and lilac	.25
51 -	Alpina Alba , white	.25
564 -	ERYSIMUM — Hedge Mustard - Pulchellum , dwarf with yellow flowers, an excellent rock plant	.25
52 -	EUONYMUS—Radicans Kewensis , A charming Evergreen creeper	.50
532 -	Radicans Kewensis Variegatum , same as above with variegated leaf	.50
565 -	EUPHOBRIA—Spurge - Polychroma , a beautiful plant with yellow flowers, 12"	.50
567 -	EPILOBIUM—Willow Herb - Oscordatum , one of the finest of the California alpine regions, a close mat of bluish foliage smothered with large, beautiful rose color flowers	.50

525 -	EUPATORIUM—Hemp Agrimony - Coelestinum , masses of blue, Ageratum like flowers	.25
568 -	FILIPENDULA—Meadow Sweet - Hexapetala , fern like leaves with many white flowers tipped with red, 18" .....	.50
569 -	GENTIANA—Acaulis , one of the most beautiful and sought for Alpines, hardy with care, deep blue .....	.75
56 -	Sino-Ornato , the most beautiful and glorious of all Gentians .....	.75
57 -	Andrewsii , Native closed Gentian.....	.35
58 -	GERANIUM—Cranesbill - Sanguineum , a prostrate shrub, steady bloomer, red .....	.25
59 -	Sanguineum Album , white of above .....	.25
60 -	Sanguineum Lancastriense , a rare species with pink flowers veined in red .....	.50
526 -	Robertiella Robertiana , Native .....	.25
62 -	GEUM—The Avens - Heldreichi , orange red, a beautiful plant and the hardiest of the Geums .....	.35
63 -	Lady Stratheden , large, old gold double flowers .....	.25
64 -	Mrs. Bradshaw , one of the most striking hardy plants, a great profusion of large, rich scarlet double flowers, evergreen foliage .....	.25
570 -	Borisii , deep orange flowers, a gem .....	.35
65 -	GLOBULARIA—Globe Daisy - Trichosantha , a choice rock plant with minute foliage and blue globular flowers .....	.25
66 -	GYPHOPHILA—Babies Breath - Cerastoides , an exquisite gem with red veined white flowers, choicest of the genus .....	.30
67 -	Repens , an essential of the rock garden, blue gray mats of small leaves with white flowers .....	.25

Heathers

Calluna, the Heather is a native plant in the history and folklore of almost all northern European peoples, but has not been proved to be a native of North America. Here it is best in a Rock Garden, likes sour soil, open sun and a fair amount of moisture in a well drained location.

461 -	CALLUNA—The Heathers - Vulgaris Alba Minor , dwarf 9", white compact habit. ....	.50
465 -	Vulgaris Alporti , dwarf, slender spikes, rosy carmine flowers .....	.50
468 -	Aurea , pink flowers, yellow foliage .....	.50
469 -	Carnea, Alpine Forest Heath , bright pink flowers, dwarf, compact habit .....	.50
470 -	Alba Pilosa , shaggy foliage, white flowers....	.50

209 -	HELONIAS BULLATTA — Cinnamon Lily - Native, from a rosette of evergreen leaves rises a bare stem, 18" with a hyacinth like flower of intense pink, likes moisture and shade .....	.50
76 -	HEPATICA—Wood Anemone, Native, Triloba , should be in every rock or alpine garden, nothing more satisfactory and they rival in beauty any perennial we know of .....	.25
68 -	HELIANTHEMUM—Sunroses-Crosum , Yellow	.25
69 -	Fireball , brilliant scarlet .....	.25
70 -	Mrs. Earle , Intense Crimson Double .....	.25
71 -	Double Orange .....	.25
72 -	Praecox , gray leaves, yellow flowers .....	.25
73 -	Rhodanthe Carveum , gray leaves, clear pink	.25
74 -	Rose Queen , large pink flowers .....	.25

77 -	HEUCHERA—Alumroot - Sanguines Splend-	
	ins, one of the better rock plants, coral	
	rose bells in profusion .....	.25
78 -	Graethum, Gracillium, rose pink .....	.25
79 -	HOUSTONIA—Quaker Lady - Native, Caerulea,	
	a mite of a flower you will cherish, covered	
	for two months with porcelain blue flowers .....	.25
139 -	HYPOXIS HIRSUTA—Star Grass, Native, yellow	
	flowers, blooms all summer .....	.25
527 -	HYPERICUM—St. John's Wort - Olympicum,	
	a rare and lovely rock plant, gray foliage	
	and large, yellow flowers .....	.50
80 -	IBERIS — Candytuft - Sempervirens, white,	
	evergreen, profuse bloomer .....	.25
81 -	Snowflake, large white flowers .....	.25
82 -	Little Gem, solid, compact, dwarf, white....	.25
571 -	Tenoreana, an improved Candytuft, completely	
	smothered with rose-lavender flowers .....	.35
572 -	Gibraltarica, low evergreen mat densely	
	covered with white flowers richly tinted	
	with rose-lavender .....	.25

IRIS

Dwarf Iris

These lovely miniature Iris have no rivals in the early Spring flowers but are only recently attaining the popularity they deserve.

Being dwarfs they are especially desirable for rock garden planting or the edging of beds; their culture is simple, treatment the same as with the taller varieties; they are perfectly hardy and very free blooming. The very complete list we offer gives a full range of color, all have been checked with the American Iris Society list and are guaranteed true to name and color.

DWARF BEARDED IRIS

185 -	ALBA-6"-early white with yellow beard, very	
	fragrant .....	.25
186 -	ATROVIOLACEA -4"- the first to bloom, red	
	purple with blue beard, sweet scented.....	.25
187 -	BALCENG CURIOSITY - 8" - cream, green and	
	blue, very sweet scented .....	.30
188 -	BETSY PRESBY - 5" - light yellow standards,	
	deep yellow falls	1.00
189 -	BOQUET - 6" - white and heliotrope .....	.35
190 -	BRAUTJUNFER - 6" - S. lilac white, F. purple	
	at base yellow at tips .....	.30
191 -	CANDIDA - 6" - white self .....	.50
192 -	CITREA - 5" - lemon yellow, very early .....	.30
193 -	COERULEA - 5" - an even toned dark blue	
	purple, perfect form .....	.25
196 -	BURGOS - 6" - wine red with orange beard ....	.35
197 -	CHAMAEIRIS AUREA MACULATA - 6" - yellow,	
	orange beard, veined purple .....	.30
198 -	EBURNEA - 6" - lovely sulphur yellow .....	.25
199 -	ENDYMION - 9" - without doubt the best of	
	the claret series, a dwarf Morning Splendor,	
	dark ruby red .....	.50
200 -	EXCELSA - 4" - just a cheerful little purple	
	flower .....	.25
209 -	HARBOR LIGHTS - 6" - the best dwarf yellow,	
	fragrant .....	.50
210 -	JOSEPHINE - 9" - white touched with yellow .....	.50
211 -	LUTEA - 6" - a beautiful deep yellow self....	.30
212 -	MAROCAIN - 6" - the dwarf Gaudichau - deep	
	velvety purple .....	.35
213 -	MINUTA - a tiny species of great rarity, dainty	
	light yellow flowers	2.00
215 -	MAX - 6" - a fine ruffled yellow .....	.75

216 - MIRELLE - 8" - plum colored self, yellow beard, a rich gem .....	.50
217 - MACROCARPA - 5" - one of the earliest to bloom, a true pumila, rich violet .....	.35
218 - NIOBE - 5" - deep purple self, white beard, a real beauty .....	.35
219 - REICHENBACHII ORANGE - 6" - a dwarf W. R. Dykes, clear deep yellow .....	.35
220 - ROYAL - 6" - a dark blue self .....	.50
221 - SILVER ELF - 10" - S. pure white, F. gray lined light blue	1.50
222 - SNOW CAP - 10" - white self .....	.25
48 - SOCRATES - 4" - claret red self, very rich ....	.50
57 - SONNY - 6" - fine, deep buttercup yellow self	.75
61 - TRAUTLIEB - 6" - a magnificent pink self ....	.50
75 - WIGAN - 6" - brown red tone .....	.50
79 - ZULLICHAU - 8" - a dark blue bi-color .....	.50

DWARF NATIVE WESTERN IRIS

145 - CHRYSOPHYLLA - 8" - soft yellow flowers veined with blue, grass like foliage .....	.50
146 - GORMANI - 6" - yellow flowers and narrow foliage, very choice and rare .....	.50
702 - HARTWEGGII - 6" - much like Tenax but with yellow flowers .....	.35
490 - MISSOURIENSIS - 12" - the Rocky Mountain iris, flowers range from white to blue, all finely reticulated with brown .....	.50
101 - MISSOURIENSIS SNOWBIRD - 12" - pure white of above without veining	1.00
139 - PURDYI - 6" - the handsomest of any native American iris, flowers of good size, creamy white with purple lines. A lovely thing ....	.50
92 - TENAX - 5" - from Oregon, a dainty reddish purple flower, very free blooming .....	.35
159 - TENUIS - 8" - from the Oregon Fir forests, wide leaves, white flowers with purple veins and a patch of yellow in the center of the falls, a beauty .....	.50
56 - WATSONIANA - 5" - much like Tenax but with blue flowers, strong grower .....	.35

OTHER VARIETIES

83 - CRISTATA - 6" - tiny, wide open lavender flowers with yellow crest .....	.25
595 - CRISTATA ALBA - white of the above .....	.50
476 - GRACILIPES - from Japan, the loveliest of all dwarf iris, a great profusion of one and one half inch pale lavender blue flowers with orange crest on delicate stems in May, perfectly hardy and a gem for the rock garden	.75
53 - IRIS VERSICOLOR (Native) shades of blue and purple .....	.25
55 - IRIS PRISMATICA, the daintiest native eastern iris .....	.25

TALL VARIETIES

Bearded (Pogons)

No other perennial offers the varied styles, forms, heights or colors as does the Iris.

The appended list affords as complete a range of style and color as is possible in so few; all are choice and of good habit and if you had them all in your garden you would have as beautiful a flower show in May and June as is possible to produce.

- 167 - AFTERGLOW, the soft colorings of the evening sky.
- 223 - ALATHA, white ground with pink markings.
- 176 - AMBASSADOR, S. reddish violet, F. dark purple.
- 175 - ANNA FARR, white flushed violet blue.
- 224 - AUREA, one of the oldest and best yellows.

(Seven)

- 182 - B. Y. MORRISON, S. Pale lavender, F. velvety purple.
 225 - CECIL MINTURN, uniform Cattleya rose.
 226 - CIRCE, a small but beautiful blue Iris.
 180 - DALILA, S. Pale olive buff, F. carmine.
 161 - DREAM, Pink, fragrant.
 901 - FLAMENSCHWERT, yellow & brown.
 227 - FLORENTINE, early, fragrant paper white.
 902 - JOSEPH'S COAT, many colored.
 178 - JUNIATA, a deep, clear blue.
 160 - LADY BYNG, uniform soft ageratum violet.
 163 - LENT. A. WILLIAMSON, S. light violet, F. Dark violet.
 172 - LORELEY, S. Lemon yellow, F. blue, bordered cream.
 162 - MADAME DeSEVIGNE, light rose lilac.
 164 - MME. CHOBOUT, prussian red with brown veins.
 183 - MOTHER OF PEARL, iridescent mother-of-pearl coloring.
 228 - NINE WELLS, S. violet, F. deep purple.
 169 - ORIFLAMME, fine blue bi-color.
 166 - OPERA, violet-red bi-color.
 179 - OLYMPUS, S. rose, F. madder crimson.
 903 - QUEEN ALEXANDRA, purplish lilac.
 174 - PROSPERA, S. deep lavender, F. violet.
 171 - RHEIN NIXE, S. white, F. mauve, edged with white.
 904 - SHEKINAH, Pinard yellow.
 177 - MME. GAUDICHAU, S. deep purple, F. deeper purple.
 230 - SHERWIN WRIGHT, golden yellow self.
 231 - SANTA BARBARA, a fine lavender blue.
 170 - WHITE QUEEN, the purest white Iris.
 184 - VIOLET LAKE, S. light violet, F. deep violet.

All the above are 3 for .50 — 7 for \$1.00

Iris Species

- 173 - EMPEROR, a uniform deep violet blue.
 181 - FULVA, bright terra cotta.
 905 - DOROTHEA K. WILLIAMSON, velvety royal purple.
 165 - MONNERI, handsome golden yellow.
 229 - PERRY'S BLUE, pure sky blue.
 168 - SNOW QUEEN, snowy white marked with yellow.

All the above are .25 each — 5 for \$1.00

-
- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 84 - JACK-IN-PULPIT— <i>Arisaema Triphyllum</i> | .25 |
| 529 - LAVANDULA—Sweet Lavender - <i>Vera</i> , a popular old fashioned plant with fragrant blue flowers | .25 |
| 573 - LINUM—Flax- <i>Perenne</i> , very attractive in both flower and foliage, pale blue | .25 |
| 86 - LEONTOPODIUM— <i>Edelweiss - Alpinum</i> , from the Swiss Alps, requires a well drained stony soil | .35 |
| 88 - LINARIA—Toadflax - <i>Hepaticaefolia</i> , a pretty ground cover with light blue flowers | .35 |
| 574 - LEWISIAS— <i>Columbianum</i> , has a rosette of short leaves with rosy flowers with dark lines down the midrib | .35 |
| 575 - <i>Finchii</i> , one of the best, handsome pink flowers margined with white, a most lovely plant | .50 |
| 576 - <i>Howellii</i> , much like <i>Finchii</i> but with crested leaves | .35 |
| 577 - <i>Leeana</i> , slender, pine like leaves, many headed clusters of magenta flowers | .35 |
| 578 - <i>Tweedii</i> , said to be the finest acquisition to the rock garden in years, rosettes of leaves nearly a foot across, exquisite salmon pink two inch flowers | 1.00 |

(Eight)

198 - LIATRIS SCARIOSA—Blazing Star - Native....	.25
92 - LUPINE—Lupinus Peremis. Native .....	.25
90 - LYCHNIS—Alpine Campion - Alpinus, a good dwarf rock plant, pink .....	.25
91 - Alpinus Alba, white of above .....	.25
93 - MAZUS—Reptans, a very dwarf creeper with small lavender flowers .....	.35
94 - MERTENSIA—Blue Bells - Virginica, Native, arching sprays of azure blue bells, 18"....	.25
579 - MIMULUS—Lewisii, a lovely Rocky Mountain plant, bears many salmon pink flowers over a long season .....	.50
530 - MYOSOTIS—Forget-me-not - Palustris Semp- erflorens, blue with yellow eye .....	.25
580 - Pale Pink Beauty .....	.25
95 - NEPETA—Rock Mint - Mussini, a fine rock plant, silvery foliage, lavender blue flowers .....	.25
96 - NIEREMBERGIA—Cupflower - Rivularis, a beautiful rock plant, white .....	.25
490 - OENOTHERA—Native Primrose - Fruiticosa, yellow .....	.25

Native Orchids

Terrestrial

These odd, exquisite, lovely flowers should be in every rock garden. Few realize the number of varieties available for use in the garden nor the ease with which they can be handled and established. All these listed are hardy anywhere; while all like shade and moisture, some, like Hab. Ciliaris, Calapogon and the Spiranthes, will endure full sun and most of them make good cut flowers.

532 - ARETHUSA BULBOSA—Dragon's Mouth, grass like leaf, rosepurple, yellow and white flower, very showy .....	.50
652 - APLECTRUM ORBICULATA — Adam & Eve, 15", purple green with white lip .....	.50
534 - CYPRIPIEDUM ARIETINUM — Ram's Head 10", flower white netted with crimson, sepals purple brown, the rarest of the Cypripediums	1.25
533 - CYP. ACAULE—Mocassin Flower, 12", pink flowers with greenish yellow sepals .....	.25
653 - CYP. CALIFORNICUM, smaller than Montanum, white with yellow sepals .....	.75
654 - CYP. FASCICULATUM, low growing with brownish lady slipper flowers, quite interesting .....	.75
537 - CYP. MONTANUM, the Lady Slipper of the Rocky Mountains, a lovely fragrant orchid with large white sacs and brown sepals. ....	.75
535 - CYP. PUBESCENS, yellow Lady's Slipper, golden yellow sac, crimson purple sepals, very fragrant .....	.50
655 - CYP. PARVIFLORUM, small yellow Lady's Slipper .....	.50
536 - CYP. REGINAE—Queen Lady Slipper, the handsomest of all the Cypripediums, large pure white flowers and sepals, tinged with purple .....	.50
538 - CALAPOGON PULCHELLUS—Grass Pink, 15" Solitary basal leaves, magenta flowers, no handsomer flower grows .....	.30
539 - CALYPSO BOREALIS—Fairy Slipper, 7", flowers rose purple, white and gold, sepals purple .....	.50
540 - EPIPACTIS REPENS—Rattlesnake Plantain, prostrate bluish green leaves veined with white, white flowers on 15" stem. ....	.50

656 - HABENARIA BLEPHARIGLOTTIS — Plume of Navarre, 18", a beautiful white fringed orchid, easy of culture. ....	.50
541 - HAB. CLAVELATTA,—Club Spur Orchid, 16", bluish green leaves with greenish white flowers .....	.50
542 - HAB. CILIARIS—Orange Fringe, flaming orange flowers of large size on 18" stems	.35
543 - HAB. DILATATA White Lance, 20", waxy white, clove scented flowers, very showy....	.50
544 - HAB. FIMBRIATA—Plume Royal, handsome Lilac plumes on 20" stems .....	.75
545 - HAB. HYPERBOREA—Green Lance, 24", yellowish green flowers.....	.50
657 - HAB. LACERA—Ragged Orchid, 18", pale yellow fringed plume .....	.50
546 - HAB. PSYCODES—Butterfly Orchid, clusters of mauve colored flowers on 20" stems ....	.50
658 - ISOTRIA VERTICILLATA—Whorled Pogonia, 12", flowers yellowish green with brown sepals growing above a whorl of reddish green leaves, very unusual and interesting	.35
547 - LIPARIS LILIFOLIA—Twayblade, a curious and interesting orchid with mauve flowers varied with purple and green. 7" .....	.35
548 - ORCHIS SPECTABILIS—Showy Orchid-Kirtle Pink, one of the beauties of Spring, pink to mauve flowers with white spur .....	.35
549 - POGONIA OPHIOGLOSSOIDES — Rose Pogonia, Sanke Mouth, 15", pale rose to white flowers .....	.50
550 - SPIRANTHES CERNUA — Nodding Ladies Tresses, 15", white fragrant flowers .....	.35
551 - SPIRANTHES GRACILIS — Slender Ladies Tresses, 20", white flowers with green stripe .....	.35

Phlox

Tall Varieties

With the widest range of colors of any flower we know the Phlox is one of our happiest flowers making our garden gay through the summer months when other bright hues are so scarce.

- 462 - ANTHON MERCIÉ—24 inches; August 7th, Grayish lavender, pink eye.
- 463 - ALBION—30 inches; July 7th, white, pink center.
- 464 - ARNOLD TURNER — 30 inches; July 15th, fiery crimson scarlet.
- 466 - AURORA BOREALIS—18 inches; August 7th, salmon pink, white halo, dark center.
- 467 - B. COMPT—24 inches; August 1st, brilliant French purple.
- 471 - DEBS—24 inches; August 10th, deep red, deeper eye.
- 473 - FANTOME—30 inches; July 25th, heliotrope, deep lilac center.
- 474 - FRAU ANT. BUCHNER—30 inches; July 25th, white, large flowers.
- 596 - GUY MOORE—20 inches; August 1st, crushed strawberry, white lake, a very showy flower.
- 477 - LE MAHDI—30 inches; July 10th, deep purple.
- 478 - MARIETTA—30 inches; July 22, Purple, light halo, large flower.
- 479 - MRS. MILLY VON HOBOKEN—24 inches; August 1st, soft pink, large clusters.
- 480 - RAYOUMAUT—36 inches; August 1st, variegated, crimson purple with lavender, odd.
- 481 - SIEBOLD—30 inches; August 1st, fiery orange, maroon eye.

All the above are 25 cents each, 5 for \$1.00

(Ten)

581 -	PHLOX—Dwarf - Fairy , pale blue with purple eye, a beautiful rock plant .....	.35
582 -	Vivid , bright pink with dark eye, one of the finest dwarf phlox .....	.25
100 -	Ovata , brilliant cerise .....	.25
101 -	Subulata , light and dark shades of pink.....	.25
531 -	PYRETHRUM—Painted Daisy - Roseum , colors from white to crimson .....	.25
97 -	PACHYSANDRA—Japanese Spurge - Terminalis , a fine evergreen ground cover under trees .....	.25
98 -	PAPAVER—Poppy - Alpinum , a dwarf miniature poppy, very choice, assorted, colors....	.25
583 -	POTENTILLA — Cinquefoil - Miss Willmott , bright cerise, 18" .....	.50

PRIMULAS

GENERAL CULTURE. Primulas will not thrive in a thin, poor soil. The ground where they are planted should be dug two feet, and the soil prepared as follows: Two-thirds rich soil, containing leaf mould, one-third peat, and a top dressing of fine stones. Most primulas require half shade. Those used in the rockery like full sun. All demand plenty of moisture at their roots but stagnant water on their crowns is fatal. Good drainage is important. The use of cinders and sand is recommended.

CANDELABRA TYPE Each per 10

703 - P.	Beesiana , Velvety purple flowers in whorls on 2 ft. stems. Easy, showy..	\$.25	\$2.25
704 - P.	Bulleyana , This type combines wonderful coloring with a vigorous constitution. The flowers range in color from orange to scarlet on spikes 2½ ft. ....	.40	3.50
706 - P.	Burmanica , Flowers rich red-purple with yellow eye, on stalk 2½ ft. high.		
708 - P.	Helodoxa , Vigorous, free-flowering; about 2 ft. Rich, golden yellow. One of the best. ....	.50	4.50
709 - P.	Japonica , Flowers all shades of crimson.		
710 - P.	Japonica Aetna , Flowers orange-red. new. ....	.50	4.00
712 - P.	Pulverulenta , Color varies from a good pink to a rich crimson, should be in every collection. ....	.35	3.00
713 - P.	Edina (Hybrid), a soft salmon.....	.25	2.25
714 - P.	Red Hugh (Hybrid), Copper-crimson.		
717 - P.	Denticulata , an old favorite, and easy to grow. All shades of lilac. Early in spring .....	.35	3.00
718 - P.	Denticulata alba , same as above, only white. Very lovely .....	.75	5.00
719 - P.	Auricula , flower stalks, bearing flowers of yellow, or various blends of mauves and purples, rise 8 in. from a flat rosette of leaves .....	.35	3.00
720 - P.	Auricula blue, very rare .....	.50	4.50
721 - P.	Polyanthus Munstead , everybody's primrose. Handsome leafage, with numerous flower stems, crowned with loose flowers in a wide color range: white, cream, yellow, apricot, dull red, pink, clear blue. Increase rapidly, and divides easily. ....	.25	2.25
722 - P.	Polyanthus Exhibition Blue .....	.75	6.00

725 - P. Vulgaris , Mixed. All colors .....	.35	3.00
726 - P. Vulgaris Dainty Miss , rosy mauve....	.35	3.00
723 - P. Vulgaris My Favorite , Purple violet	.35	3.00
727 - P. Vulgaris Coerulea , shades of true blue. Rare, scarce, distinctive .....	.65	5.50
728 - P. Vulgaris, Double Lavender , Very rare, old-fashioned, and much in demand by those who love the choicest. ....	.75	.6.00
724 - P. Vulgaris , Double white .....	.75	6.00

OTHER TYPES

Each per 10

729 - Primula Asthore Seedling , Coppery-old rose flowers .....	.75	6.00
730 - P. Florindae , bright sulphur yellow, 3 ft. Requires quantities of water during the growing season .....	.50	4.50
731 - P. Frondosa , good for sunny rockeries. Flat heads of rose-colored flowers, 6 to 9 in. Free-flowering .....	.50	4.50
732 - P. Longiflora , bright rosy-purple, 6 to 7 in. Peaty loam in half shade....	.75	6.00
733 - P. Juliae , low growing, deep carmine with golden eye .....	.50	4.50
734 - P. Luteola , dense umbels of soft yel- low blossoms July & August .....	.75	5.00
736 - P. Mooreana , valuable as it is the latest flowering of all primulas. Lilac- blue. Robust, easy .....	.50	4.50
737 - P. Chionantha , flowers ivory-white, fra- grant. 12 in. ....	.75	6.00
738 - P. Rosea Grandiflora , Wonderful pink- carmine flowers. Luxuriates in a rich, moist soil. One of the best....	.75	6.00
739 - P. Elatior (True Oxlip), Rich, golden yellow .....	.50	4.00
740 - P. Waltoni , wonderful glossy port-wine coloring. Requires moisture. Not so easy to grow, but worthy of every care .....	.75	6.50
741 - P. Capitata , dainty heads of violet-blue. 1 ft. ....	.65	5.50
742 - P. Involucrata , pure white fragrant flowers. Requires rich soil. Easy	.75	6.00

584 - RANUNCULUS REPENS - a brilliant, shining yellow double buttercup on trailing, ever- green foliage .....	.35	
109 - SANTOLINA—Lavender Cotton - Chamaecy- parissus Icana , one of the finest of rock garden or wall flowers, yellow, aromatic, silvery white foliage .....	.25	
110 - SAPONARIA—Soapwort - Ocymoides , a beau- tiful trailer for a sunny exposure, pink flowers in profusion, blooms a long time....	.25	
111 - SEDUM—Stonecrop - Acre , dwarf, evergreen, yellow flowers .....	.25	
112 - Album , compact growth, white flowers ....	.25	
113 - Reflexum , yellow .....	.25	
114 - Ibericum , pink and white flowers .....	.25	
115 - Anglicum , gray leaves with rose flowers....	.35	
116 - Asyphyllum , gray blue foliage, rose flowers	.25	
117 - Ewersi , gray blue trailer .....	.25	
118 - Middendorffianum , pretty dented leaves of bronze green, very choice .....	.50	
119 - Nevi , you'll never take it for a Sedum, a compact mass of tiny grayish green rosettes	.35	
120 - Oregonum , all twisted like a Japanese tree, turns red in fall, yellow flowers .....	.35	
585 - Spathulatum , silver leaf, yellow flowers ....	.35	

121 -	Pruniatum Fosterianum , growth like a dwarf creeping evergreen, blue gray foliage turning red in fall .....	.35
122 -	Rupestre , easy growing, spiny foliage, yellow flowers .....	.25
123 -	Sexangulare , like Acre but neater .....	.25
124 -	Sieboldi , an aristocrat, forms a beautiful fan shaped spray covered with opposite blue gray leaves edged with pink, flowers in October .....	.25
125 -	Spectabile Brilliant , tall growing, valuable for its mass of crimson flower heads in fall .....	.25
126 -	Ternatum, The Spring Stonecrop of Virginia .....	.25
127 -	Sarmentosum , good habit, yellow flowers....	.25
586 -	SAXIFRAGE—Rockfoil - Decipiens , dwarf with bronze foliage and white flowers .....	.35
587 -	Megasea , handsome plants in rose and pink, good in sun or shade .....	.35
128 -	SEMPERVIVUM—Houseleek - Arachnoideum , the Cobweb Houseleek .....	.25
589 -	Fauconette , bronze green, very fine .....	.35
129 -	Fibriatum , large gray rosettes of hairy leaves, rose flowers .....	.35
130 -	Rubicundum , a beautiful species, large rosettes with pink shading at base of leaves....	.50
131 -	Tectorum , the Roof Houseleek, old but good	.25
132 -	Triste , a rare species with dark red or brown rosettes .....	.35
134 -	SILENE—Catchfly - Acaulis , forms a compact spiny cushion of light green on which sit very lightly pretty pink flowers .....	.25
135 -	Alpestris , white flowers, free bloomer .....	.25
136 -	Maratima , gray foliage, carnation like white flowers .....	.25
137 -	STATICE—Sea Lavender - Latifolia , countless blue purple flowers good for cutting .....	.25
140 -	THYMUS, The thymes - Citriodorus, Argenteus , variegated silver and green, fragrant rare	.50
141 -	Citriodorus Aurens , same as above but gold and green .....	.50
588 -	Azoricus , true form, dainty bush, rose.....	.50
133 -	Nitidus , a rare variety, fine grayish foliage, purple flowers .....	.75
142 -	Serpyllum Album , a minute ground cover with pure white flowers .....	.25
143 -	Serphyllum Cocineus , a red flowering form of above .....	.25
144 -	Serphyllum Lanuginosus , the Woolly Thyme. Beautiful ground cover .....	.25
590 -	TROLLIUS—Globe Flower - Golden Queen ....	.50
147 -	TUNICA—Coat Flower - Saxifraga , one of the easiest and most graceful of rock plants, pink flowers .....	.25
526 -	Saxifraga Rosea Flora Plena , a lovely double pink, a most valuable rock garden plant .....	.75
145 -	TRILLIUM — Wake Robin - Rivale , a rare species from Oregon, dainty mauve flowers, 6" high .....	.25
	Nivale, Snow Trillium , pure white, 4" high	.25
591 -	VERONICA—Speedwell - Armena , lacy foliage, blue flowers .....	.25
148 -	Filiformis , good ground cover for bulbs, evergreen and splendid bloomer .....	.35
149 -	Gentianoides , Gentian like, leathery leaves, pale blue .....	.25
150 -	Incana , silvery gray foliage, clear royal blue flowers, fine for wall .....	.25

151 -	Pectinata , wooly leaves, ground cover, azure blue .....	.25
152 -	Prostrata , one of the best and easiest to grow, celestial blue .....	.25
153 -	Repens , fine for paved walks .....	.25
154 -	Rupestris , Heavenly Blue, dwarf, heavy bloomer .....	.25
592 -	Rupestris Mana , prostrate and creeping, forming a dark green carpet, deep gentian blue flowers, one of the best rock plants....	.35
155 -	Teucrium , royal blue, for planting among large rocks .....	.25
156 -	Teucrium Trehani , trailing variety with golden foliage and blue flowers .....	.25

Native Violets

We have made all too little use of our native Violets in our Rock Garden work.

Sturdy in habit, easily raised, with a wide range of form and color, blooming early and late with varied and beautiful foliage they are an ideal rock plant and adaptable to every purpose.

253 -	AFFINIS , much like cuculatta but with light bluish purple flowers with white center. ....	.25
701 -	ADUNCA , the Dog Violet , makes wide clumps with small blue flowers, exceptionally fine for the rock garden .....	.25
702 -	ARKANSAS NATIVE , a large flowered white with lavender penciling .....	.30
703 -	BECKWITHII , upper petals violet, lateral white and lower yellow, three parted leaves, very distinct .....	.35
254 -	BLANDA , low growing, fragrant white flowers .....	.25
256 -	CALCARATA - Alpine Violet of Switzerland ; long faced flowers of lavender and white .....	.35
203 -	CANADENSIS , pinkish white with purple back and yellow eye, branching .....	.25
495 -	CRYSANTHA , the " Golden Violet ," large, rich golden yellow, maroon on back, finely cut leaves .....	.50
202 -	CUCULLATA , a very large variety of our common purple .....	.25
257 -	FIMBRIATULA , oblong-ovate leaves, violet-purple flowers growing above the foliage .....	.25
704 -	FIMBRIATULA ALBA , a white form of above, very unusual .....	.35
279 -	FLETTII , one of the rarest of American native violets, from the Olympic mountains in Oregon. Lavender-violet, petals yellow at base with dark purple veins. Foliage reddish green. Hardy in the East .....	.50
260 -	GLABELLA , true violet shape leaves with bright yellow flowers .....	.35
496 -	HALLII , upper petals dark purple, lower yellow, palmate leaves, very striking .....	.50
259 -	HASTATA , halbred leaves. Deep yellow flowers with brown backs. Habit much like Canadensis .....	.30
261 -	LANCEOLATA , lance leaves, white flowers on long stems, lower petals striped .....	.30
705 -	MUNBYANA , from the mountains of Spain, deep purple flowers all summer .....	.30
262 -	OSMUNDA , lilac shade with fine stripes growing above light green foliage .....	.25
205 -	PALMATA , purple with cut leaves .....	.25
206 -	PUBESCENS , yellow, hairy wood violet, likes moisture .....	.25
207 -	PEDATA , Birds Foot , lavender and purple ....	.25

208 - PEDATA ALBA , perhaps the most beautiful violet in existance; pure snow white with purple eye, very rare .....	.50
263 - PEDATA BICOLOR , purple and white flowers rivaling the pansy in beauty .....	.50
264 - PAPILIONACEA ALBA , purest white with purple eye, the largest native violet .....	.25
706 - PAPILIONACEA AZUREA , a new and striking color, smoky azure blue flowers of large size growing well above the foliage .....	.50
707 - PRIMULAFOLIA , one of the largest of the white flowered natives .....	.30
497 - PEDUNCULATA , the finest American violet, immense orange yellow flowers with brown backs, heart shaped foliage, a rare beauty .....	.50
201 - PALLENS , pure white with light green foliage .....	.25
267 - PEDATAFIDA , native of the western praries, cut leaved, soft blue flowers growing over a long season .....	.35
268 - RENIFOLIA , much like Selkirkii, white blossoms .....	.25
708 - RIVINIANA , a true alpine violet, blooming all summer with light blue flowers .....	.35
709 - ROBERTI , a hybrid of Affinis with a much handsomer two toned flower .....	.25
269 - RUGALOSA , habit and form like Canadensis with large white blossoms tinged with lavender; native of the west .....	.35
211 - ROSTRATA , long spurred violet, beautiful orchis purple, uncommon .....	.25
212 - ROTUNDIFOLIA , deep yellow, evergreen leaves .....	.30
270 - SARAEA , Immense white flowers, a pure Albino, elongated petals, light green foliage very handsome .....	.35
271 - SHELTONI , finely divided leaves, creeping habit, yellow flowers .....	.35
272 - SELKIRKII , low growing, blue flowers .....	.35
273 - SORORIA , ovate leaves, violet-lavender flowers broad petals .....	.25
274 - SCABRIUSCULA , like Pubescens in color and form but smooth .....	.35
275 - SAGITTATA , serrated narrow leaves, blue flowers .....	.35
204 - STRIATA , a beautiful deep cream color, creeping habit, extra good for the rock garden or wall .....	.25
210 - SEPTENTRIONALIS , white with blue center, showy .....	.25
276 - SEPTEMLOBA , from the Carolinas, deeply cleft foliage with immense light blue flowers on long stems .....	.35
710 - TRINERVATA , a native of Oregon, finely cut foliage with violet and yellow flowers .....	.35
711 - VILLOSA , from the South, mottled foliage, blue flowers, free blooming, an interesting violet .....	.30
277 - VARAGATA , a variegated Cuculatta .....	.25
278 - VARAGATA PALMATA , palmate leaves. Purple and white variegated flowers .....	.30
441 - VITTATA , a beautiful Violet from Florida, narrow lance leaf seven inches long with large white flowers above the foliage .....	.50

5 plants of one variety for the price of four

Viola Odorata

Sweet Scented Garden Violets

- 422 - **BARONESS ROTHSCHILD**, rich purple, very free flowering
- 443 - **CALIFORNIA**, strong growing, large single purple flowers.
- 444 - **CZAR**, single purple.
- 445 - **CZARINA**, single white
- 446 - **MARIE LOUISE**, double, rich mauve flowers.
- 447 - **OLD RUSSIAN**, an old favorite, dark purple, double.
- 448 - **ROSINA**, pink and old rose flowers, the sweetest of all.
- 449 - **SWANLEY**, a splendid plant with large, double white flowers.

All the above are 25 cents each, 5 for \$1.00

Violas

- 451 - **SUTTON APRICOT**25
- 452 - **JERSEY GEM**, pure violet color25
- 453 - **PURPLE GLORY**, new, larger than Jersey Gem, royal purple with yellow eye50
- 454 - **RUBY**, true red, large flower50
- 455 - **HANSA**, violet, large size35
- 456 - **FLORAIRE**, pale blue, a profuse bloomer25
- 457 - **YELLOW QUEEN**, the best yellow50
- 458 - **WHITE PERFECTION**25
- 459 - **TRICOLOR**, Jonny-jump-up25
- 460 - **SEATTLE GEM**, same as Jersey Gem but lemon-cream color50

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